



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Applicant(s): David L. Bahr et als.  
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Examiner: Neurauter, Jr., George C.  
Title: SYSTEM AND METHOD FOR SCANNING A DOCUMENT  
IN A CLIENT/SERVER ENVIRONMENT

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**DECLARATION OF ALEXANDRE OKONECHNIKOV**

1.

I, Alexandre Okonechnikov, am over twenty-one years of age, am of sound mind and health, and am otherwise qualified to give this declaration, and I do so freely as my own voluntary act, without any duress or coercion.

2.

I am named inventor of the above-identified application. At all times relevant to this Declaration, I have been an employee of InterTech Information Management, Inc., a Delaware corporation ("InterTech"). InterTech was acquired on or about July 12, 2004 by ChartOne, Inc., a Delaware corporation.

3.

Attached as Exhibit A is FIG. 3 of the above-identified patent application as originally filed on February 3, 2000. FIG. 3 is a user interface of the iCopy software (aka "Webcoding" or "eWebcoding" software) executed and displayed by a computer, or client device, on a monitor or display. FIG. 3 shows the user interface as it existed from a time at least as early as October 13, 1999.

4.

The user interface of FIG. 3 included a document display portion, an index field portion, and a control portion separately defined in the display generated by a computer, all defined on a web page or hypertext mark-up language (HTML) document displayed within a web browser running on a computer or "client device."

5.

The user interface of FIG. 3 included a document display portion that displayed document data generated by scanning the document in print form (i.e., a "hard copy") with a scanner, and receiving that document data at the computer which displayed it in the display portion of the user interface.

6.

The user interface of FIG. 3 included the index field portion enabling a user to input index data using an input device of the client device into the user interface in association with the document data. The index data could be used for a variety of purposes, such as to identify the document data, to derive a key for storing the document data, to indicate a file path for storage of the index data and document data, to input text describing the nature of the scanned document, to identify a matter to which the scanned document relates, or to identify a transaction to which the document relates.

7.

The user interface of FIG. 3 included a control portion with a control element (the "iCopy" soft button in FIG. 3) operable by a user with an input device to generate a start scan signal to initiate scanning of a document with the scanner to generate the document data and to generate a send data signal to transmit the document data with the index data displayed by the web browser from the client device to the server over a network using a destination address for the server specified in an address field of the web browser. The control element had the capability to toggle between a 'scan' mode for scanning a document and a 'send' mode for sending the document data to a server for storage.

8.

The control element could be used to transmit the index data and document data over a communication network such as a local area network (LAN) or the Internet using transfer control protocol/Internet protocol (TCP/IP), hypertext transfer protocol (HTTP),

or other protocol. Once transmitted from a client device to a server over a communication network such as a local area network (LAN) or the Internet, the server had the capability to receive and store the document data and index data in a database storage unit, a separate unit from the server.

9.

Attached as Exhibit B is a communication (redacted to eliminate confidential or irrelevant information) from one of the inventors of the subject application, Dave Bahr, to me as one of the members of the development group, regarding a presentation for the iCopy (the new Internet Copy machine) developed by the inventors. As evidenced by this email, we (the inventors) could demonstrate a working embodiment with the features referenced in the above paragraphs at least as early as October 13, 1999.

10.

The user interface of FIG. 3 included a single "iCopy" button operable by a user with the input device to alternately generate the start scan signal and the send data signal, in order to alternately scan a document to generate document data, and transmit the document data and index data over a communications network to a server for storage, respectively.

11.

Exhibit C is a communication dated December 17, 1999 to me as part of the development team for the iCopy software. The communication attaches a Bug List which is included in this Declaration as part of Exhibit C.

12

As indicated in Exhibit C, the functionality to adjust scale of a document (e.g., "zoom in" or "zoom out" or fit within display or make the same scale as the scanned document as indicated by corresponding software buttons in FIG. 3) existed before January 18, 2000.

12.

As indicated in Exhibit C, the functionality to select among multiple scanned documents for display in the display portion of the user interface (e.g., "first", "last", "next" or "previous" functions controlled by corresponding soft buttons as indicated by the corresponding software buttons in FIG. 3) existed before January 18, 2000.

13.

As indicated in Exhibit C, the functionality to scan single or multiple documents in one scan operation (e.g., as indicated in FIG. 3) existed before January 18, 2000.

14.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Okonechnikov

Alexandre Okonechnikov

7-21-2005

Date

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Prevalent Software...making e-commerce happen

## Image Capture

Capture begins with the acquisition of images via the Quillix TWAIN interface, which accepts input from low or high-volume scanners, and even digital cameras. Scanned image batches are stored locally for review, quality control, or indexing tasks until released to the Quillix Web Server for processing.

## Review

Review tools allow users to view an image batch and make adjustments using automated image processing, or the re-scan, append, insert, rotate & flip features.

## Index

Indexing occurs before or after a batch is released and processed by the Quillix Web Server.

The integrated data capture and indexing component of Quillix is implemented using XML, the emerging specification for self-describing documents published on the Internet. Self-describing XML documents are an ideal mechanism for propagating data to other information systems.

Quillix includes a tool for the creation of new indexing forms. Existing XML form definitions and documents can also be introduced with a minimal amount of configuration.

## Release

The Quillix Web Client releases image batches to the server for final processing.

## Web Server

### Back-end automated processing

The Quillix Web Server handles the back-end processing of information released from multiple Quillix clients. Once released, the batched data is sent to the corporate information management system.

The server's built-in task flow capabilities can provide automated actions such as OCR, forms processing, data validation and data set completion. Task automation sequences are defined and applied on a per profile basis.

Additional features:

- Extensible architecture is easily customized using Microsoft® COM objects
- Batch profile storage and administration
- Scalable from one to thousands of users
- Login secured access privileges & profiles
- Release Module Wizard creates release modules for any document application
- Fault-tolerant server monitors information transfer and automatically recovers data if transmission is interrupted
- Server uses COM-based release modules to assign new batches for processing
- Records audit information
- Automated Image Processing

### Batch Profiles

Configurable batch profiles define how a batch is captured, the release module(s) the server uses to process the batch, and

the indexing form and fields used to index the batch. Batch profiles are stored on the Quillix server and may be administered from the browser.

### Web-based Administration

The Quillix user and system administration tools run within the browser. With administrative access, user accounts, privileges, and access to batch profiles are all fully configurable.

### Robust Server Architecture

The open architecture of the Quillix Web server supports the release of scanned information to a variety of e-Commerce, workflow and document imaging systems. Custom components developed as Microsoft COM objects can extend automation capabilities (image or form processing, bar-coding, etc.), or define new release modules for specific information management systems.

### System Requirements

#### Quillix Web Client

- OS: Microsoft® Windows 98®, Windows NT® 4.0 SP5, Windows 2000®
- Browser: Microsoft Internet Explorer® 4.0 or greater
- Processor: Pentium 133MHz or better
- Memory: 32MB RAM or better

#### Quillix Web Server

- OS: Microsoft Windows NT 4.0 SP5, Windows 2000
- Server: Microsoft Internet Information Server (IIS)®, Version 4.0 or greater, Microsoft Transaction Server® (400+ users)
- Processor: Pentium 333MHz or better
- Memory: 32MB RAM or better

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software, inc.

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*"Prevalent brings a suite of products to market that are innovative in the automation of e-Commerce Business Processes and invaluable to our customers."*

*Paul Szemplinski*  
*President, IDT*

*"The Web made distributed data management possible, Quillix makes it practical."*

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**G**oing paperless is a real challenge. Some business processes are easily migrated to digital systems, yet others remain paper-based for compelling reasons. The fact is both systems produce information assets that your company depends on. Orchestrating information management among multiple disparate locations adds another level of complexity to the implementation of today's paperless directive. Enter Quillix.

**Quillix™ is the first distributed information capture system built for the Internet.**

This scalable, low-cost capture solution serves as the data collection interface between a remote user and a corporate back-end information management system. Information entered into Quillix is processed by the Quillix server and then sent to the corporate system for further dispensation.

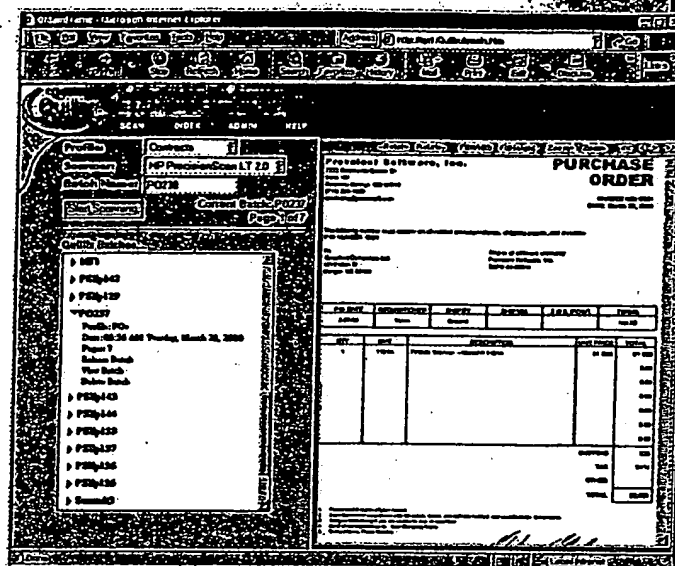
Quillix is a state of the art web application built with Dynamic HTML, XML and Active Server Pages. Quillix runs within the Web browser and uses the Internet as your corporate network. This strategy leverages your investment in the global connectivity provided by the Internet and eliminates the need to install software on each client workstation.

## Quillix applications for data & digital images

Quillix acquires user input via on-line HTML forms and TWAIN input devices such as desktop scanners or digital cameras. Information entered into a Quillix form can be used to create an independent data record or be associated with a scanned image for indexing purposes.

Quillix forms are accessed and defined within the context of a Batch Profile. Each profile consists of configurable Quillix forms capable of tracking an unlimited number of attributes for each record or image, and back-end processing instructions.

User access to Quillux Batch Profiles is login secured, so the IT designer has complete control over the user interface and information displayed by each profile.

☐ **Quillix Web Client**

This architecture means that a designer can create custom data entry applications entirely within Quillix, rather than web-enabling a separate database application.

# Quillix Web Client

*Using Quillix is as easy as browsing the web*

The Quillix client is a compact (less than 500K) Web browser application. The web client includes a lightweight image viewer and modules for data or image capture, review, indexing, and release of information. Users perform data entry or indexing tasks in Quillix indexing forms. Since Quillix runs inside a web browser, using Quillix is as easy as surfing the Internet.

## Capture, review & index in the browser

## Lightweight, integrated image viewer

**Supports TWAIN input devices**

## Small footprint

## Scalable - From one to thousands of users

## No client software to install